

**THERMALLY POLYMERIZED COPOLYMERS MADE FROM STYRENE AND**  
**DICYCLOPENTADIENE MONOMERS**

**ABSTRACT:**

A hydrocarbon resin is prepared by (1) thermally polymerizing a mixture consisting essentially of (a) about 5% to 25% by weight styrene or aliphatic or aromatic substituted styrene, and (b) about 95% to 75% by weight based on total monomer content of a cyclic diolefin component comprising at least about 50% by weight

5 dicyclopentadiene.

A method of producing an aromatic-modified resin having a  $M_z$  of less than 2000 through the addition of about 5% to 25% by weight styrene in combination with about 95% to about 75% DCPD monomer at a rate to consume styrene monomer at a the rate at

10 which it is added. Hydrogenation of this resin produces light colored, thermally stable products that are useful as tackifiers in adhesives.